Approved For Release 2005/06/06 : CIA-RDP78B04770A002700030018-2

TOP SECRET [redacted]

STAT

IN 1489

Declass Review by NGA.

STAT TOP SECRET [redacted] 171611Z

1964 DEC 17 17 40Z

[redacted]

STAT

1. SUBJECT: TV FILM VIEWING EQUIPMENT BEING EVALUATED AT

STAT [redacted] 3 SECTION. CONCEPT AND ORIG DESIGN WAS PRODUCT OF [redacted] STAT

[redacted] EXPERT DI (SI) 51, AND ELEMENTS STILL SUBJECT

STAT IMPROVEMENT. [redacted] WILL PREPARE REPORT OF SPECIFICATIONS ON COMP-

STAT LETION EVALUATION. IN MEANWHILE FOL EXTRACTED FROM INTERIM NOTES

[redacted]

4

2. PRESENT EQUIPMENT BEING EVALUATED CONSISTS OF (ALL STANDARD OFF-SHELF ITEMS):

A. PYE "LYNX" TRANSISTORISED CAMERA (625 LINES).

B. VARIETY OF LENSES RANGING FROM CARL ZEISS 35MM F 3.5 WIDE ANGLE, TO SCHACI "TRAVENAR" 90MM. SPECIAL MACRO 35MM.

C. BELLOWS EXTENSION (ARAHI PENTAX), TO PERMIT OPTICAL, ELECTRONIC ENLARGEMENT UP TO 75X.

D. PYE 17 INCH VIDEO MONITER WITH POS-NEG IMAGE REVERSAL AND NORMAL CONTRAST AND BRILLIANCE CONTROLS. NO SPECIAL EDGE ENHANCEMENT OR MASKING TECHNIQUES.

3. SUITABLY ILLUMINATED POS OR NEG IS VIEWED AT HIGH POWER SO THAT INHERENTLY LOW RESOLUTION STANDARDS OF TV SCANNER MINIMIZED BY PUTTING MAX NUMBER SCANNING LINES ACROSS SMALLEST PRACTICAL IMAGE AREA. NORMALLLY THIS 30X TO 60X ON CONTACT KH7 OR 10X

[redacted] STAT

GROUP 1
Excluded from automatic downgrading and declassification

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PHOTO-ENLARGED KH4 (I.E. FOR KH4 RESULTANT ENLARGEMENT 300X TO 600X).

4. EQUIPMENT HAS ADVANTAGE WIDE MANIPULATION FOR CONTRAST AND BRILLIANCE (WITHOUT FILM OVERHEATING) ALSO INSTANT IMAGE REVERSAL.

5. SYSTEM HAS BEEN CHECKED FOR SIGNAL PROPAGATION AND APPEARS ADEQUATELY SCREENED (SIGNALS FROM PRESENT EQUIPMENT CANNOT BE PICKED UP BEYOND 3-4 FT). IMPORTANT HERE IS THAT CAMERA/MONITOR ARE CLOSELY ASSOCIATED AND MAINS/SIGNAL FEEDS VERY SHORT AND LEAD ENCLOSED.

6. COST OF PRESENT EQUIPMENT APPROX [redacted] DOLLARS. STAT
BELIEVE SYSTEM WORTHWHILE AND JUSTIFIES PURCHASE OF HIGHER DEFINITION CAMERA, IMPROVED VIDICON OR ORTHICON TUBE, AND PRECISION MONITOR OF MATCHING STANDARD. THIS WOULD RAISE COST TO STAT APPROX [redacted] DOLLARS PLUS, DEPENDING ON NUMBER MONITORS OR OTHER FACILITIES ADDED.

STAT TOP SECRET [redacted]

--END OF MESSAGE--

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